PATENT ABSTRACTS OF JAPAN

(11)Publication number:

10-168567

(43) Date of publication of application: 23.06.1998

(51)Int.CI.

C23C 14/46 H01L 21/203

(21)Application number: 08-329515

(71)Applicant: JAPAN AVIATION ELECTRON IND

LTD

(22)Date of filing:

10.12.1996

(72)Inventor: HIRAYAMA TOMOJI

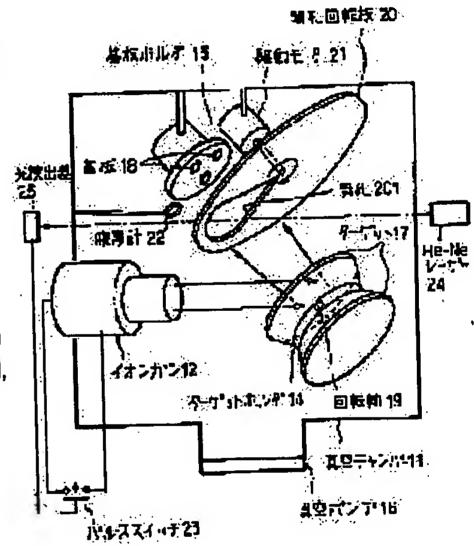
ITO KAZUHIKO

(54) ION BEAM SPUTTERING SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an ion beam sputtering system in which only sputtering particles having a low energy of about several eV are selected from sputtering particles, and film is formed by these low energy sputtering particles.

SOLUTION: In an ion beam sputtering system composed of a vacuum chamber 11, an ion gun 12 set at the bottom part of the vacuum chamber, a target holder 14 supportingly fixed in the upper direction oppositely to the ion gun by a rotary shaft 19 inserted via the side wall of the vacuum chamber, a substrate holder 13 to which the substrate 18 in which this coating is to be formed is attached and detached, a shutter 20 set in the vicinity of the front part of the substrate holder and a vacuum pump 16 sucking and exhausting the inside of the vacuum chamber, low energy sputtering particles are selected to form thin film.



LEGAL STATUS

[Date of request for examination]

17.09.1998

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

3360102

[Date of registration]

18.10.2002

[Number of appeal against examiner's decision of

rejection]:

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office